(54) Title: AUTOMATIC UPDATE SYSTEM AND METHOD FOR USING A META MIB
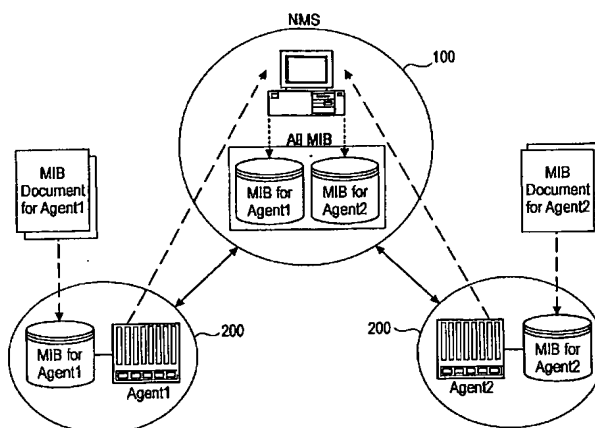
(57) Abstract: The present invention generally relates to a system and method for automatically updating a MIB by using a meta
MIB, and more particularly to a system and method for automatically updating a MIB by using a meta MIB comprising agent 100 for
generating an OID named as MIB Info Last Change Time, storing it in the MIB and synchronizing the meta MIB by transmitting a
Trap when MIB Info Last Change Time is changed; and NMS 200, in case a trap is inputted to the NMS, for reading an information in
a meta MIB Info to SNMP Walk Operation, rewriting a meta MIB information of the agent based on the read information, storing the
meta MIB information in the MIB and transmitting the meta MIB information to the agent. In accordance with the present invention,
the drawback residing in the conventional structure is ameliorated by designing a basic structure of SMI in the form of meta MIB,
SMI defining management information of MIB which is exchanged between the agent and the NMS. Therefore, the MIB of the agent
can be automatically shared by the NMS via on-line, thereby improving an automation functionality of the network management, in
spite of the trend to more complicated and advanced network.